

Appl. No. : 869,182  
 Filed : June 22, 2001

AI  
 Canceled.

least one index specification which is characteristic for the position of the data object in the data space. In addition, each information object has at least one attribute specification for at least one virtual dimension of the information space. The information object can be identified in the information space using a processor of a computing device. Processing of the data object can be prompted by at least one instruction record.

Please ~~add~~ the following heading on page 23, between lines 24 and 25:

Brief Description of the Drawings

Please ~~add~~ the following heading on page 25, before line 1:

A2

Detailed Description of Certain inventive Embodiments

Please ~~add~~ the following heading on page 37, before line 1:

WHAT IS CLAIMED IS:

#### IN THE ABSTRACT

Please ~~add~~ an abstract on a separate sheet that is attached to this amendment.

#### IN THE CLAIMS:

Please amend the claims as follows:

- A4  
 Cmt
1. (Amended) A procedure for processing data objects with:
    - a data space, in which data objects are arranged;
    - a multi-dimensional information space that has at least two virtual dimensions and preferably also at least one third virtual dimension;
    - whereby said information space has in at least one dimension a large amount of discrete memory locations suitable to represent information objects;
    - whereby each of said information objects represent at least one information base-object and whereby each information base-object comprises at least the following properties: